

ebm-papst Inc. wins in the 2008 AHR EXPO Innovation Awards

(Farmington, CT)- ebm-papst Inc. is pleased to accept the 2008 AHR EXPO Innovation Award in the Ventilation Category for the 5-Blade EC Axial Fans with Winglets. Additionally, ebm-papst received an honorable Mention in the Refrigeration Category for the Energy Saving Axial Fan Series.

As an Award Winner, ebm-papst received the Ventilation Award in a ceremony at the Show, on Tuesday, January 22 at

About 5-Bladed EC Axial Fans with Winglets

The product is a range of ebm-papst EC axial fans from 500mm to 910mm in diameter (5000 – 20,000 CFM), but the AHR award is more specifically for an innovation which addresses the noise created by turbulence across the blade tips. A feature referred to as a 'winglet', creates a type of labyrinth seal between the blade tips and venturi. The addition of these winglets - combined with a blade number decrease from 7 to 5 blades - resulted in a 10% aerodynamic efficiency gain and as much as a 14 dBA sound reduction without the need for tighter tip clearance or serrated trailing edges.

Axial fans are used in situations where a large volume of air is required to flow against a relatively low resistance. The ebm-papst design combines the superior life, versatility and motor efficiency of an EC drive with the substantial acoustic benefit and aerodynamic efficiency provided by the 5-blade design with winglets. Applications that prioritize these benefits and can make use of the available feature set - including speed modulation via external sensor or controller (10:1 turndown), integrated PID controller, alarm relay output, master/slave control and diagnostics.

Commercial applications for both new construction and retrofit situations are the target of this product. Available mounting options make it suitable as an exhaust fan, cooling fan for condensers and transformers or even as a duct fan.

This product has many user and service friendly features including;

- Choice of configuration – fan only, fan with guard, fan with full nozzle, etc.
- Wide voltage range
- Frequency independent
- Soft start for low inrush current
- Long life, maintenance free ball bearings
- Integrated overload and locked rotor protection
- Effortless process control
- IP54 environmental protection

As quoted from www.ahrexpo.com:

About the AHR Expo® Innovation Awards:

"A panel of judges consisting of ASHRAE members selected for their exceptional knowledge of

the industry and its products, reviewed and evaluated all submissions. Product entries were judged for innovation, application, value to user, and market impact.

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The Innovation Awards are jointly sponsored by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE); the Air-Conditioning and Refrigeration Institute (ARI); and International Exposition Company (IEC), producers and organizers of the AHR Expo®. Only one product per company may be submitted in each category and winning products from previous years cannot be re-entered. For more information on the AHR Expo® Innovation Awards, visit www.ahrexpo.com.

